Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/30/2018 10:32 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	05/12/2018 04:21 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125693	0	2.01	125729	2.02
Blue	F	SSC	125000	123159	-2	2.11	123718	2.10
Blue	E	FITC	15760	15395	-3	3.05	332	23.24
Blue	D	PE	25880	25333	-3	2.17	549	17.87
Blue	B	PerCP-Cy5-5	34075	33818	-1	4.43	1031	23.46
Blue	A	PE-Cy7	22776	22874	0	7.54	553	46.02
Red	C	APC	42488	41605	-3	2.68	1568	13.06
Red	A	APC-Cy7	24478	24045	-2	2.78	833	13.13
Violet	B	V450	6304	6145	-3	4.37	362	17.47
Violet	A	V500	26005	24726	-5	3.99	584	13.24

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20832	9.41	612	15	N/A	N/A	Pass
Blue	F	SSC	56277	1.56	581	26	N/A	N/A	Pass
Blue	E	FITC	57	75.94	565	9	0.0144	163	Pass
Blue	D	PE	115	59.67	559	10	0.1063	257	Pass
Blue	B	PerCP-Cy5-5	197	56.13	661	14	0.0069	51	Pass
Blue	A	PE-Cy7	108	113.60	714	17	0.0088	25	Pass
Red	C	APC	370	27.17	600	0	0.0207	105	Pass
Red	A	APC-Cy7	203	28.61	570	-1	0.0045	753	Pass
Violet	B	V450	60	76.45	500	11	0.0265	2442	Pass
Violet	A	V500	87	45.12	515	9	0.0128	986	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.54	-30.99	0.95
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.41
Red	17.32	13.60 - 20.40	N/A	N/A	30.76	31.36	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 11642

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments